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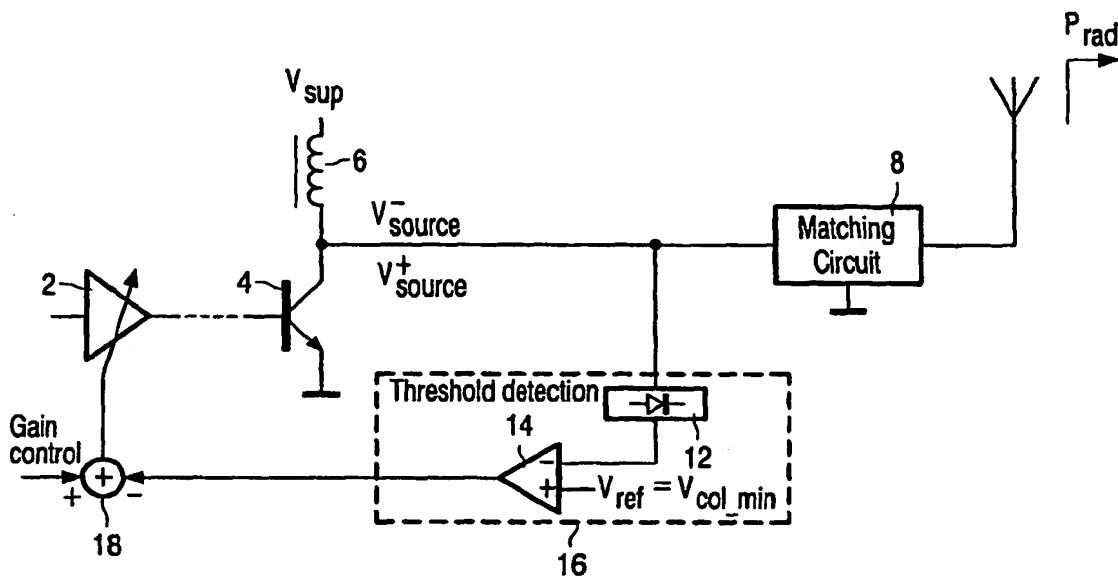
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(54) Title: PRESERVING LINEARITY OF A RF POWER AMPLIFIER



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(57) Abstract: A method and circuit for preserving linearity of a RF power amplifier, the power amplifier including a RF power output unit (4, 24, 62) having a characteristic drive level and fed by a supply voltage, comprising measuring the output voltage of the RF power output unit (4, 24, 62); comparing the measured output voltage to at least one threshold voltage to produce a control signal; and adapting the drive level or the supply voltage of the RF power output (4, 24, 62) unit by means of the control signal to operate the output unit below its saturation level. A method and circuit for stabilizing an antenna circuit comprising a RF power amplifier and a matching circuit by preserving linearity of a RF power amplifier, where the above power amplifier is used.